FIG.1

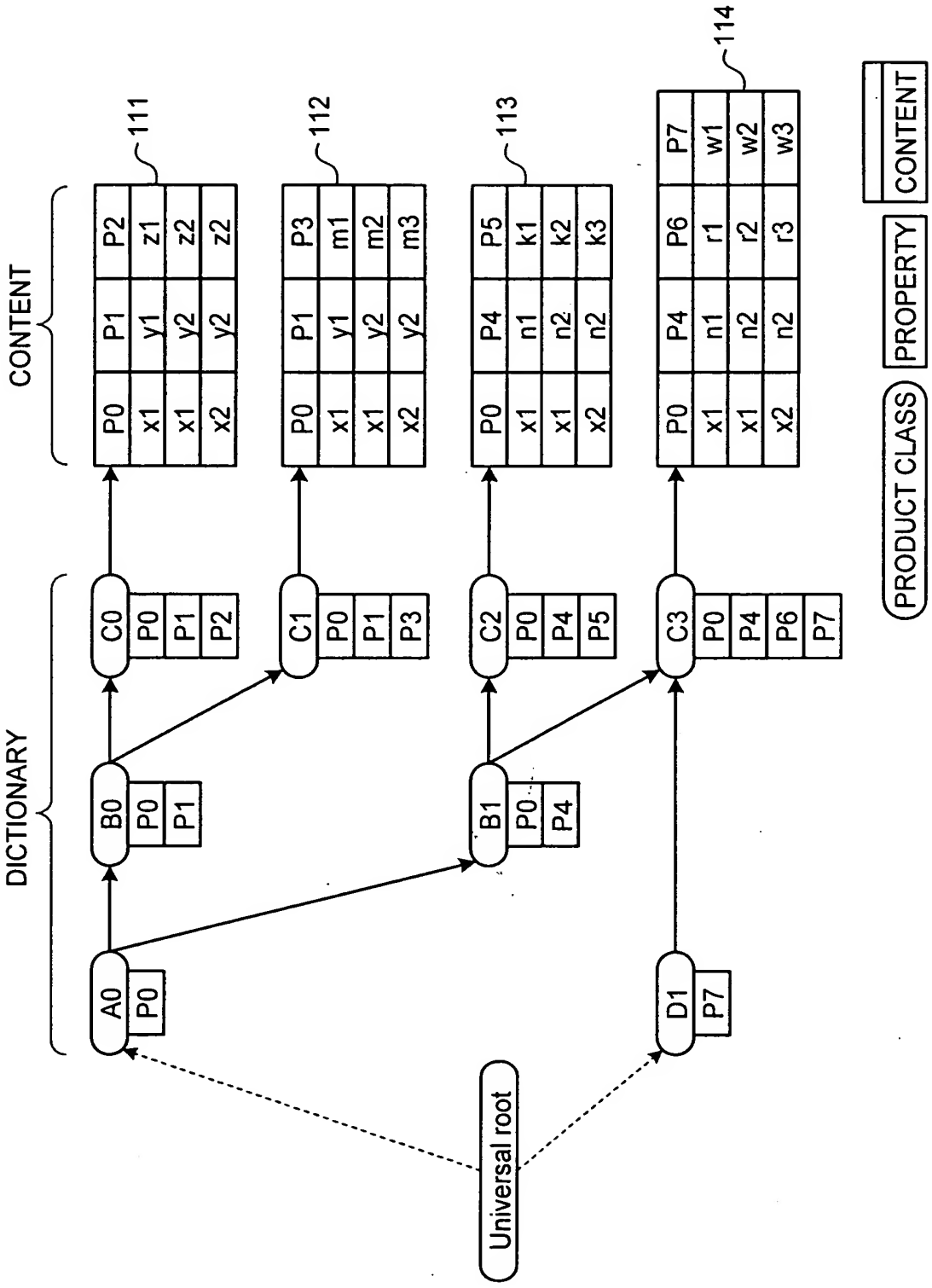

DICTIONARY
CONTENT
Universal root
A0
P0
B0
P0
P1
B1
P0
P4
C0
P0
P1
P2
C1
P0
P1
P3
C2
P0
P4
P5
C3
P0
P4
P6
P7
D1
P7
111
112
113
114
P0
P1
P2
x1
y1
z1
x1
y2
z2
x2
y2
z2
P0
P1
P3
x1
y1
m1
x1
y2
m2
x2
y2
m3
P0
P4
P5
x1
n1
k1
x1
n2
k2
x2
n2
k3
P0
P4
P6
P7
x1
n1
r1
w1
x1
n2
r2
w2
x2
n2
r3
w3
PRODUCT CLASS
PROPERTY
CONTENT

FIG.2

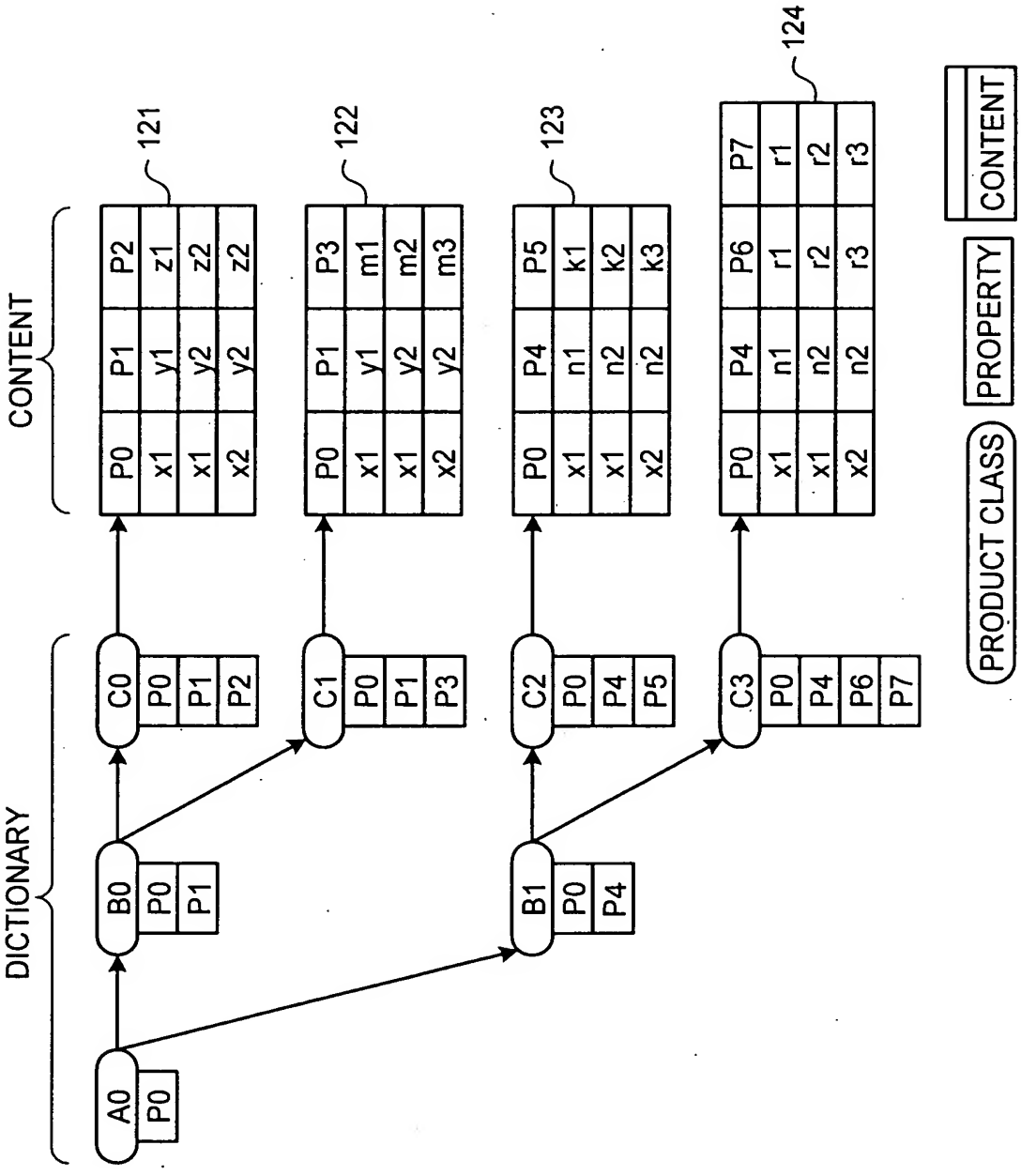

DICTIONARY
A0
P0
B0
P0
P1
B1
P0
P4
C0
P0
P1
P2
C1
P0
P1
P3
C2
P0
P4
P5
C3
P0
P4
P6
P7
CONTENT
121
P0 P1 P2
x1 y1 z1
x1 y2 z2
x2 y2 z2
122
P0 P1 P3
x1 y1 m1
x1 y2 m2
x2 y2 m3
123
P0 P4 P5
x1 n1 k1
x1 n2 k2
x2 n2 k3
124
P0 P4 P6 P7
x1 n1 r1 r1
x1 n2 r2 r2
x2 n2 r3 r3
PRODUCT CLASS
PROPERTY
CONTENT

FIG.3

Attribute	Add	Modify	Delete	Obligation
code	–	X	X	M
superclass	V	V	V	O
preferred name	–	R	X	M
short name	–	R	X	M
visible types	V	V	X	O
applicable types	V	V	X	O
class selection properties	V	V	X	O
synonymous name	R	R	R	O
visible properties	V	V	X	O
applicable properties	V	V	X	O
class value assignment	V	V	X	O
definition	–	R	X	M
source document of definition	R	R	R	O
note	R	R	R	O
remark	R	R	R	O
simplified drawing	–	R	R	O
date of original definition	–	X	X	M
date of current version	–	V	X	M
date of current revision	–	R / V	X	M
version number	–	V	X	M
revision number	–	R	X	M

ALLOWABILITY OF MODIFICATION OF CLASS

DESCRIPTION OF SYMBOLS

-: IMPOSSIBLE
R: STEP-UP OF REVISION
V: STEP-UP OF VERSION
X: IMPOSSIBLE/FORBIDDEN ITEM
R/V: R OR V DEPENDING ON CONTENT
X/R: X OR R DEPENDING ON CONTENT

FIG.4

Attribute	Add	Modify	Delete	Obligation
code	–	X	X	M
definition class	X	X	X	M
data type	–	V	X	M
preferred name	–	R	X	M
short name	–	R	X	M
preferred letter symbol	R	R	X	O
synonymous letter symbol	R	R	R	O
synonymous name	R	R	R	O
property type classification	–	R	X	O
definition	–	R / V	X	M
source document of definition	R	R	R	O
note	R	R	R	O
remark	R	R	R	O
unit	–	X	X	M
condition	X	X / R	X	M
formula	R	R	R	O
format	–	X	X	M
date of current revision	–	V	X	M
date of current version	–	R / V	X	M
date of current revision	–	V	X	M
version number	–	R	X	M
revision number	–	V	X	M

ALLOWABILITY OF MODIFICATION OF PROPERTY

DESCRIPTION OF SYMBOLS

-: IMPOSSIBLE
R: STEP-UP OF REVISION
V: STEP-UP OF VERSION
X: IMPOSSIBLE/FORBIDDEN ITEM
R/V: R OR V DEPENDING ON CONTENT
X/R: X OR R DEPENDING ON CONTENT

FIG.5

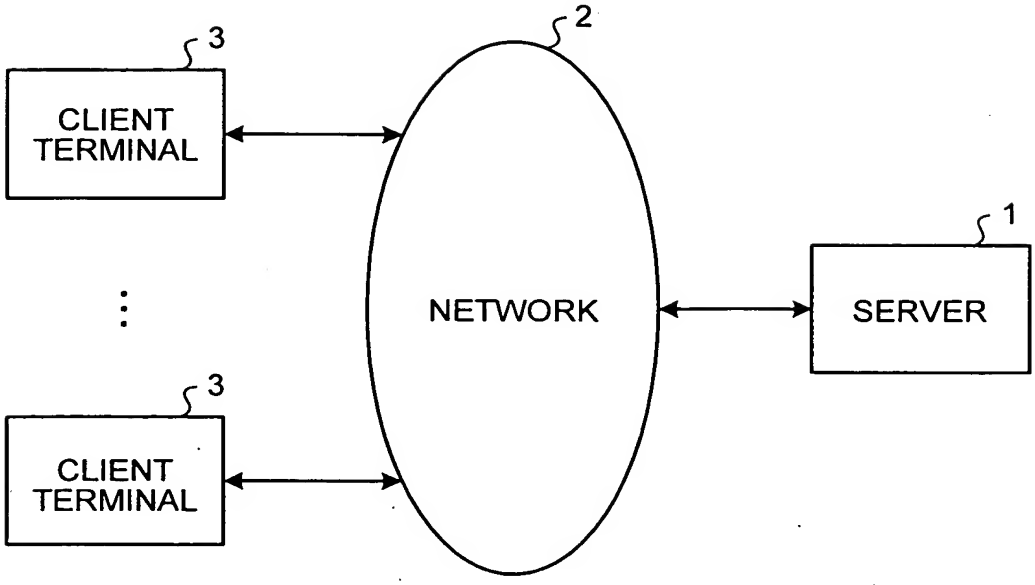

3
CLIENT TERMINAL
2
NETWORK
1
SERVER
3
CLIENT TERMINAL

FIG.6

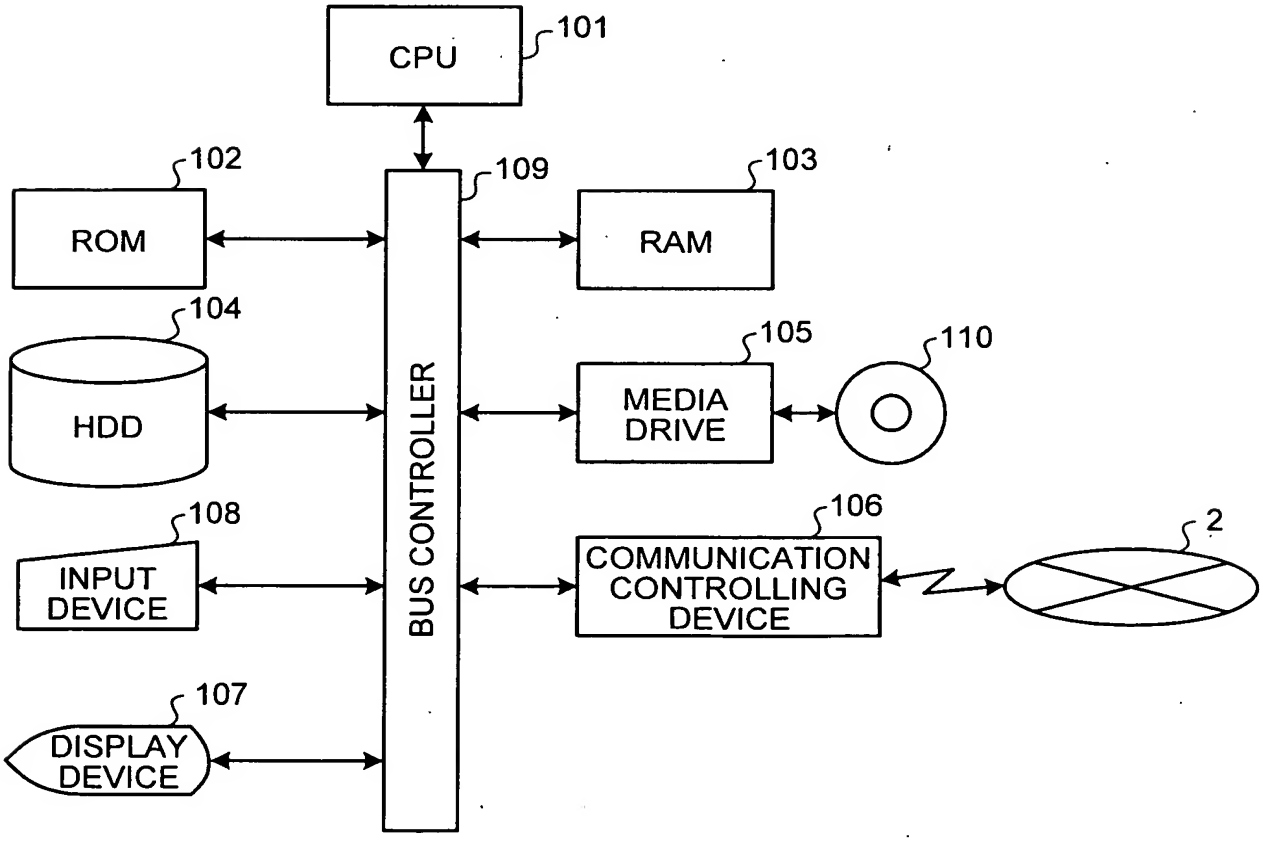

CPU
101
102
ROM
109
BUS CONTROLLER
103
RAM
104
HDD
105
MEDIA DRIVE
110
108
INPUT DEVICE
106
COMMUNICATION CONTROLLING DEVICE
2
107
DISPLAY DEVICE

FIG.7

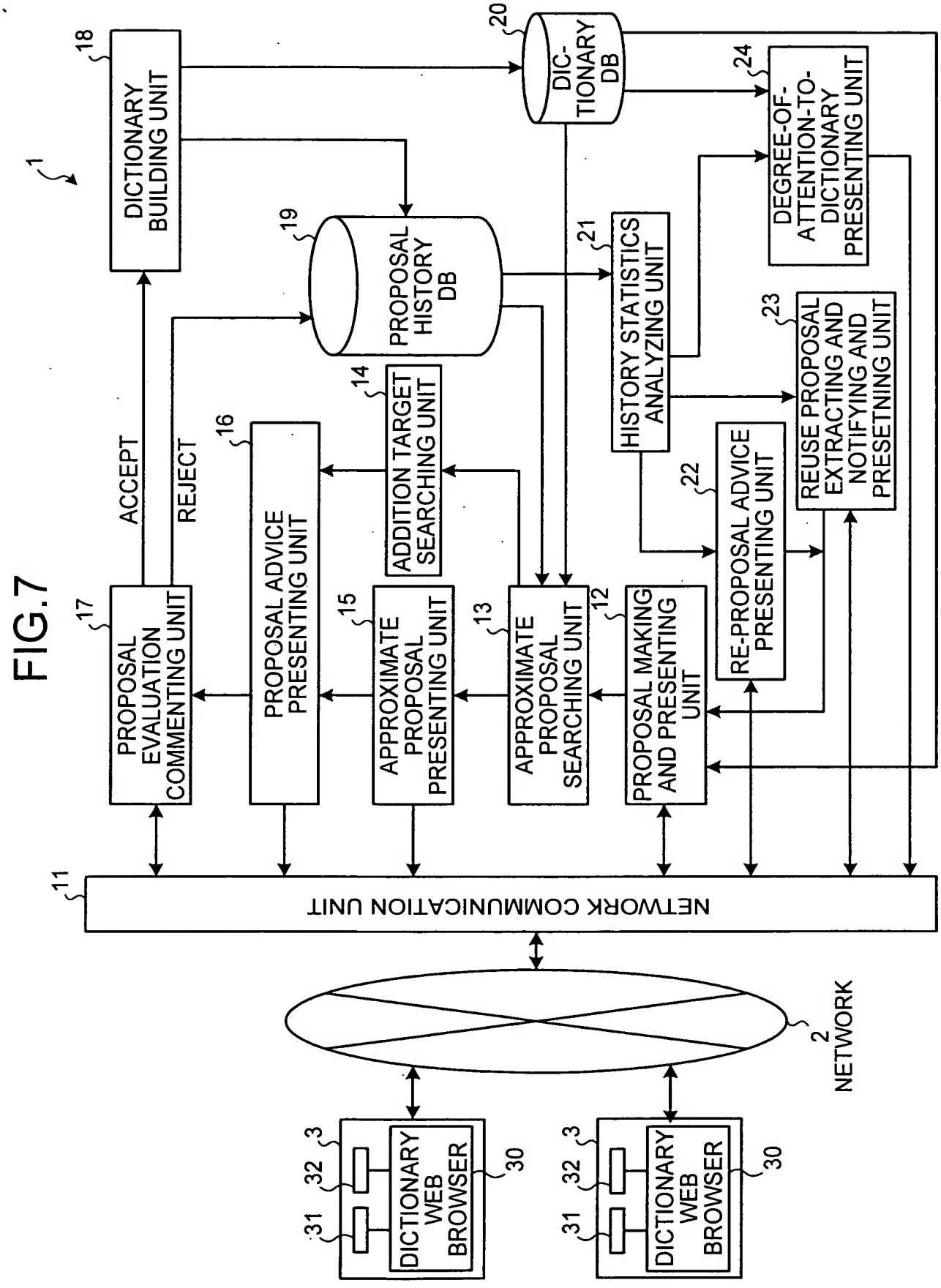

1
DICTIONARY BUILDING UNIT
18
DIC-TIONARY DB
20
PROPOSAL HISTORY DB
19
HISTORY STATISTICS ANALYZING UNIT
21
DEGREE-OF-ATTENTION-TO-DICTIONARY PRESENTING UNIT
24
REUSE PROPOSAL EXTRACTING AND NOTIFYING AND PRESETNING UNIT
23
RE-PROPOSAL ADVICE PRESENTING UNIT
22
ADDITION TARGET SEARCHING UNIT
14
PROPOSAL ADVICE PRESENTING UNIT
16
ACCEPT
REJECT
PROPOSAL EVALUATION COMMENTING UNIT
17
APPROXIMATE PROPOSAL PRESENTING UNIT
15
APPROXIMATE PROPOSAL SEARCHING UNIT
13
PROPOSAL MAKING AND PRESENTING UNIT
12
NETWORK COMMUNICATION UNIT
11
2
NETWORK
3
DICTIONARY WEB BROWSER
30
31
32

FIG.8

PROPOSAL NUMBER	code	definition	prefname	definition class	shortname	data type	unit	...	COMMENT REFERENCE	EVALUATION
100	Code1	Def1	prefname1	class1	Shortname1	String			COMMENT	accepted
101	Code2	Def2	prefname2	class2	Shortname2	real	Km		COMMENT	rejected
102	Code3	Def3	prefname3	class3	Shortname3	String				

py

FIG.9

PROPOSAL NUMBER	code	super class	preferred name	short name	definition class	synonymous name	...	COMMENT REFERENCE	EVALUATION
1	classbsu1	Root	Classbsu1 prefname	S1	definition1	synonymous1		COMMENT	accepted
2	classbsu2	classbsu1	Classbsu2 prefname	S2	definition2	{syn2, syn3}		COMMENT	rejected
3	classbsu3	classbsu1	Classbsu3 prefname	S3	definition3	{syn4,syn5,syn6}		COMMENT	rejected

FIG.10

PROPOSAL NUMBER	PROPOSAL ATTRIBUTE NAME	PROPOSAL CONTENT	PROPOSAL TARGET REFERENCE	PROPOSAL CLASSIFI CATION	LEVEL	COMMENT REFERENCE	EVALUATION
1	preferred name	New preferred name	JEMIMA_C00001	edit	High	CONTENT	accepted
2	definition	definition2	JEMIMA_C00012	Technical proposal	High	CONTENT	rejected

px

FIG.11

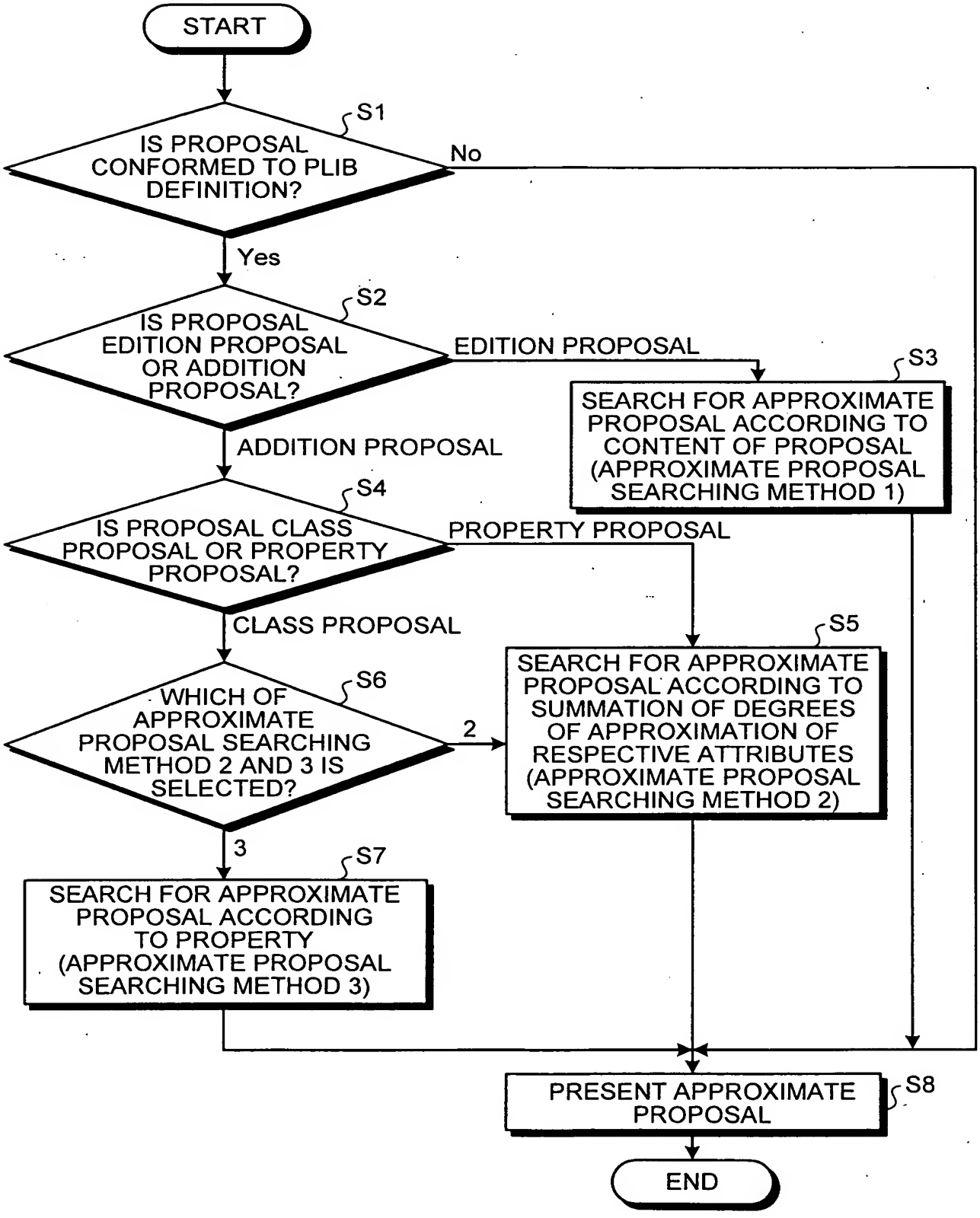

START
S1
IS PROPOSAL CONFORMED TO PLIB DEFINITION?
No
Yes
S2
IS PROPOSAL EDITION PROPOSAL OR ADDITION PROPOSAL?
EDITION PROPOSAL
S3
SEARCH FOR APPROXIMATE PROPOSAL ACCORDING TO CONTENT OF PROPOSAL (APPROXIMATE PROPOSAL SEARCHING METHOD 1)
ADDITION PROPOSAL
S4
IS PROPOSAL CLASS PROPOSAL OR PROPERTY PROPOSAL?
PROPERTY PROPOSAL
CLASS PROPOSAL
S5
SEARCH FOR APPROXIMATE PROPOSAL ACCORDING TO SUMMATION OF DEGREES OF APPROXIMATION OF RESPECTIVE ATTRIBUTES (APPROXIMATE PROPOSAL SEARCHING METHOD 2)
S6
WHICH OF APPROXIMATE PROPOSAL SEARCHING METHOD 2 AND 3 IS SELECTED?
2
3
S7
SEARCH FOR APPROXIMATE PROPOSAL ACCORDING TO PROPERTY (APPROXIMATE PROPOSAL SEARCHING METHOD 3)
PRESENT APPROXIMATE PROPOSAL
S8
END

FIG.12

PROPOSAL NUMBER	PROPOSAL ATTRIBUTE NAME	PROPOSAL TARGET REFERENCE	PROPOSAL CONTENT	PROPOSAL CLASSIFI-CATION	LEVEL	COMMENT REFERENCE	EVALUATION	DEGREE OF APPROXI-MATION
11	definition	JEMIMA_C00012	definition2	edit	High	COMMENT	accepted	95%
23	definition	JEMIMA_C00012	definition3	Technical proposal	High	COMMENT	rejected	50%

FIG.13

PROPOSAL NUMBER	PROPERTY	code	definition	prefname	definition	shortname	data	unit	COMMENT REFERENCE	EVALUATION	DEGREE OF APPROXI-MATION
100	p4	Code1	Def1	prefname1	class1	Shortname	String		COMMENT	accepted	80%
102	p3	Code3	Def1	prefname3	class3	Shortname	String		COMMENT	rejected	60%

FIG.14

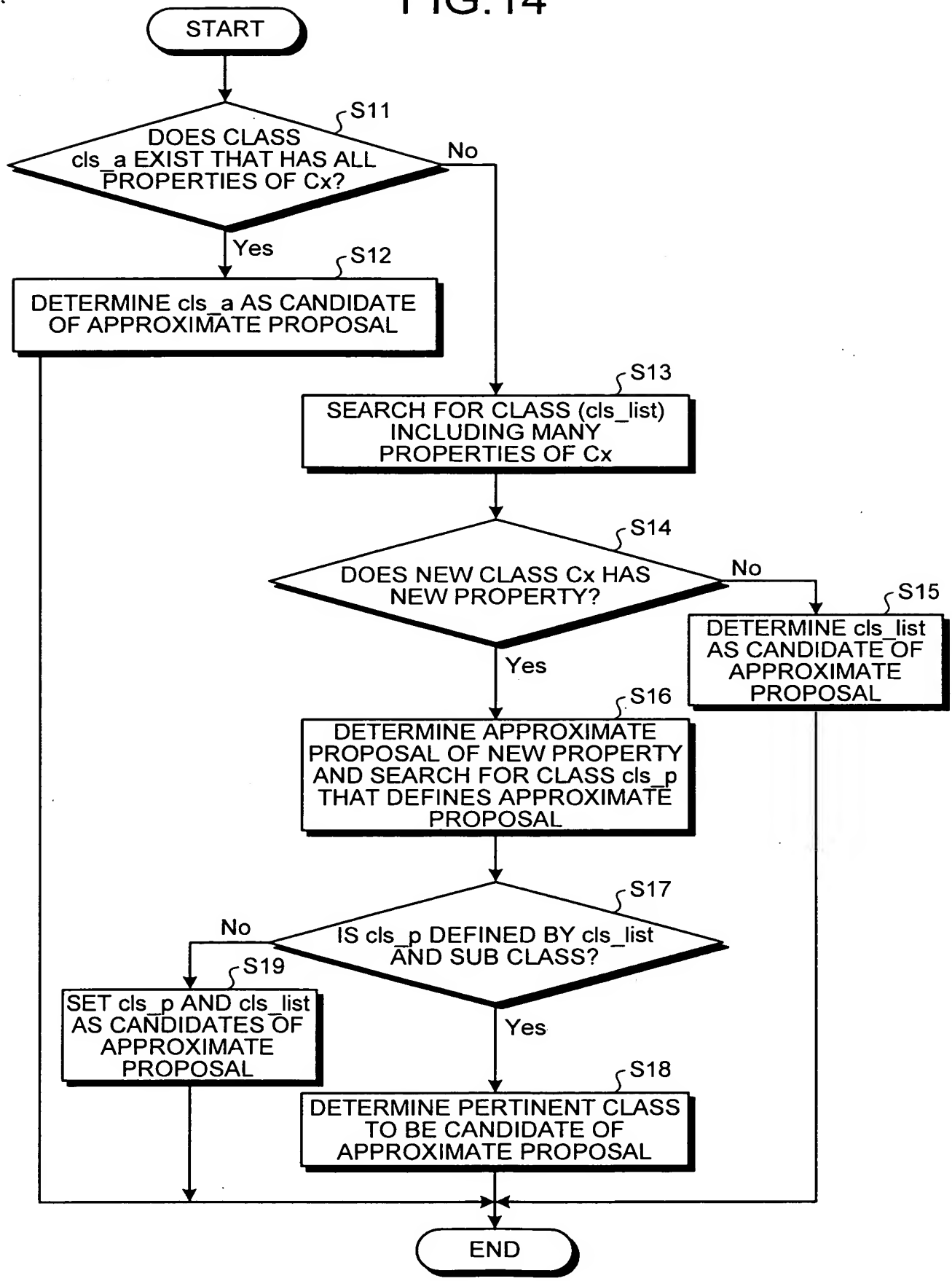

START
S11
DOES CLASS cls_a EXIST THAT HAS ALL PROPERTIES OF Cx?
No
Yes
S12
DETERMINE cls_a AS CANDIDATE OF APPROXIMATE PROPOSAL
S13
SEARCH FOR CLASS (cls_list) INCLUDING MANY PROPERTIES OF Cx
S14
DOES NEW CLASS Cx HAS NEW PROPERTY?
No
S15
DETERMINE cls_list AS CANDIDATE OF APPROXIMATE PROPOSAL
Yes
S16
DETERMINE APPROXIMATE PROPOSAL OF NEW PROPERTY AND SEARCH FOR CLASS cls_p THAT DEFINES APPROXIMATE PROPOSAL
S17
IS cls_p DEFINED BY cls_list AND SUB CLASS?
No
S19
SET cls_p AND cls_list AS CANDIDATES OF APPROXIMATE PROPOSAL
Yes
S18
DETERMINE PERTINENT CLASS TO BE CANDIDATE OF APPROXIMATE PROPOSAL
END

FIG.15

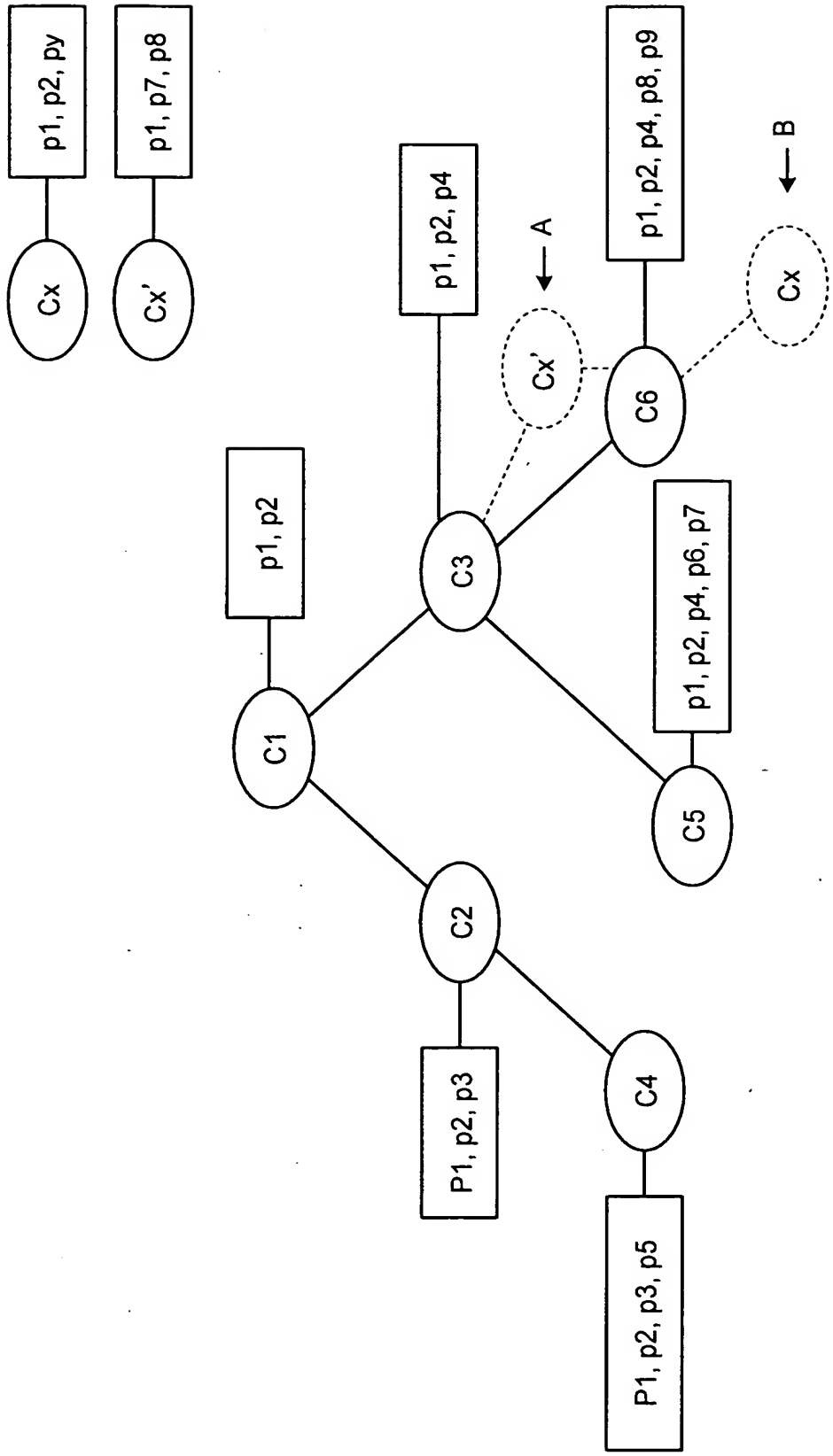

p1, p2, py
p1, p7, p8
Cx
Cx'
p1, p2
p1, p2, p4
A
p1, p2, p4, p8, p9
B
C1
C3
Cx'
C6
Cx
p1, p2, p4, p6, p7
C5
C2
P1, p2, p3
C4
P1, p2, p3, p5

FIG.16

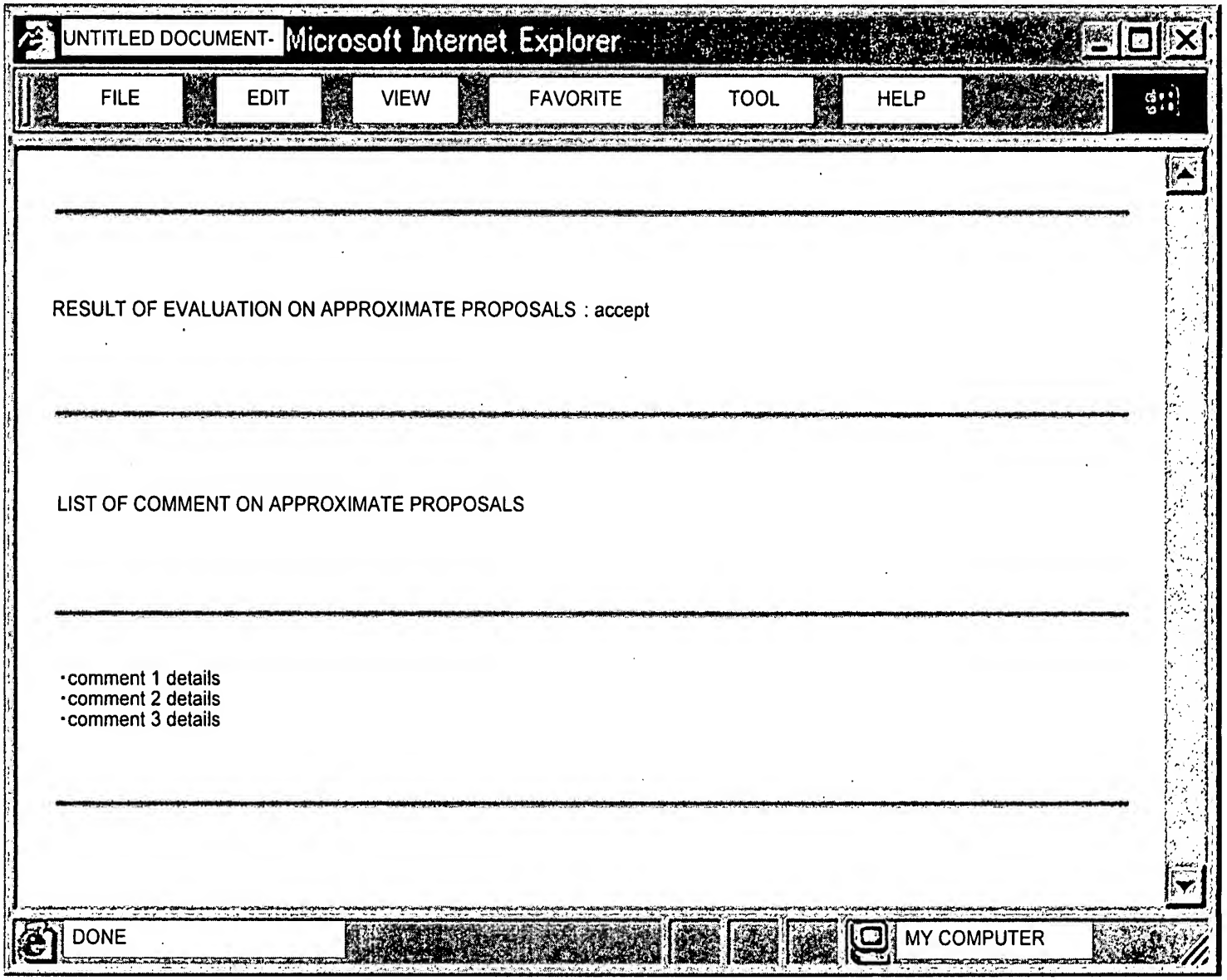

UNTITLED DOCUMENT- Microsoft Internet Explorer
FILE
EDIT
VIEW
FAVORITE
TOOL
HELP
RESULT OF EVALUATION ON APPROXIMATE PROPOSALS : accept
LIST OF COMMENT ON APPROXIMATE PROPOSALS
·comment 1 details
·comment 2 details
·comment 3 details
DONE
MY COMPUTER

FIG.17

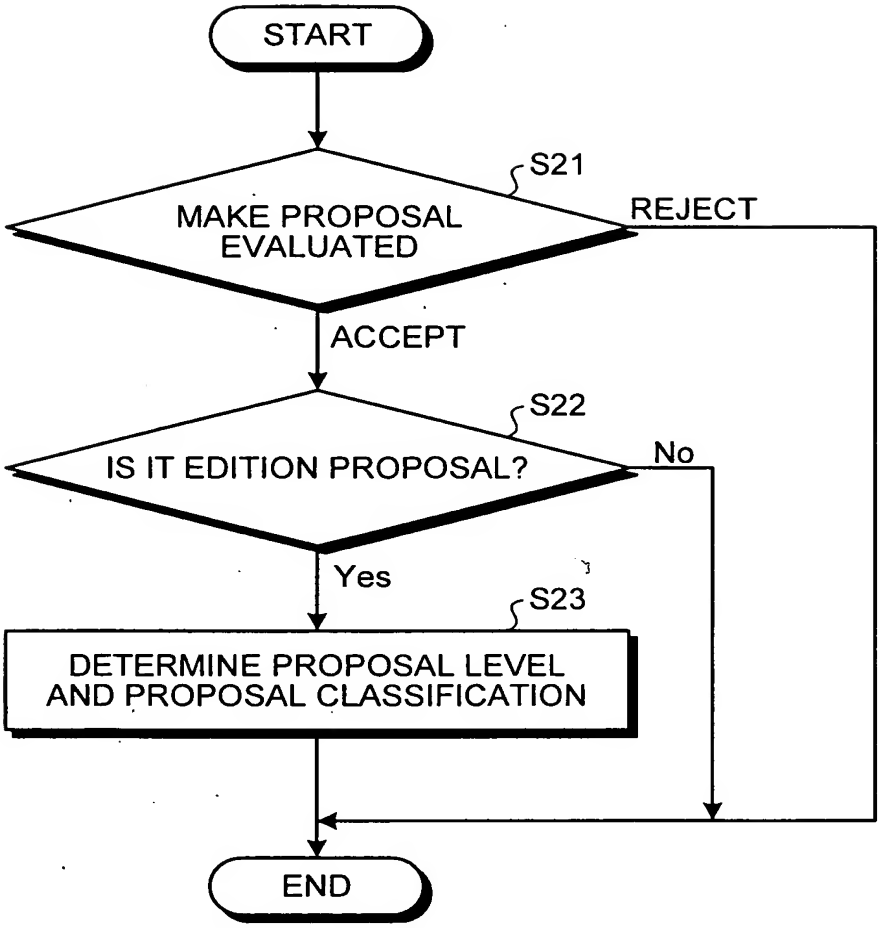
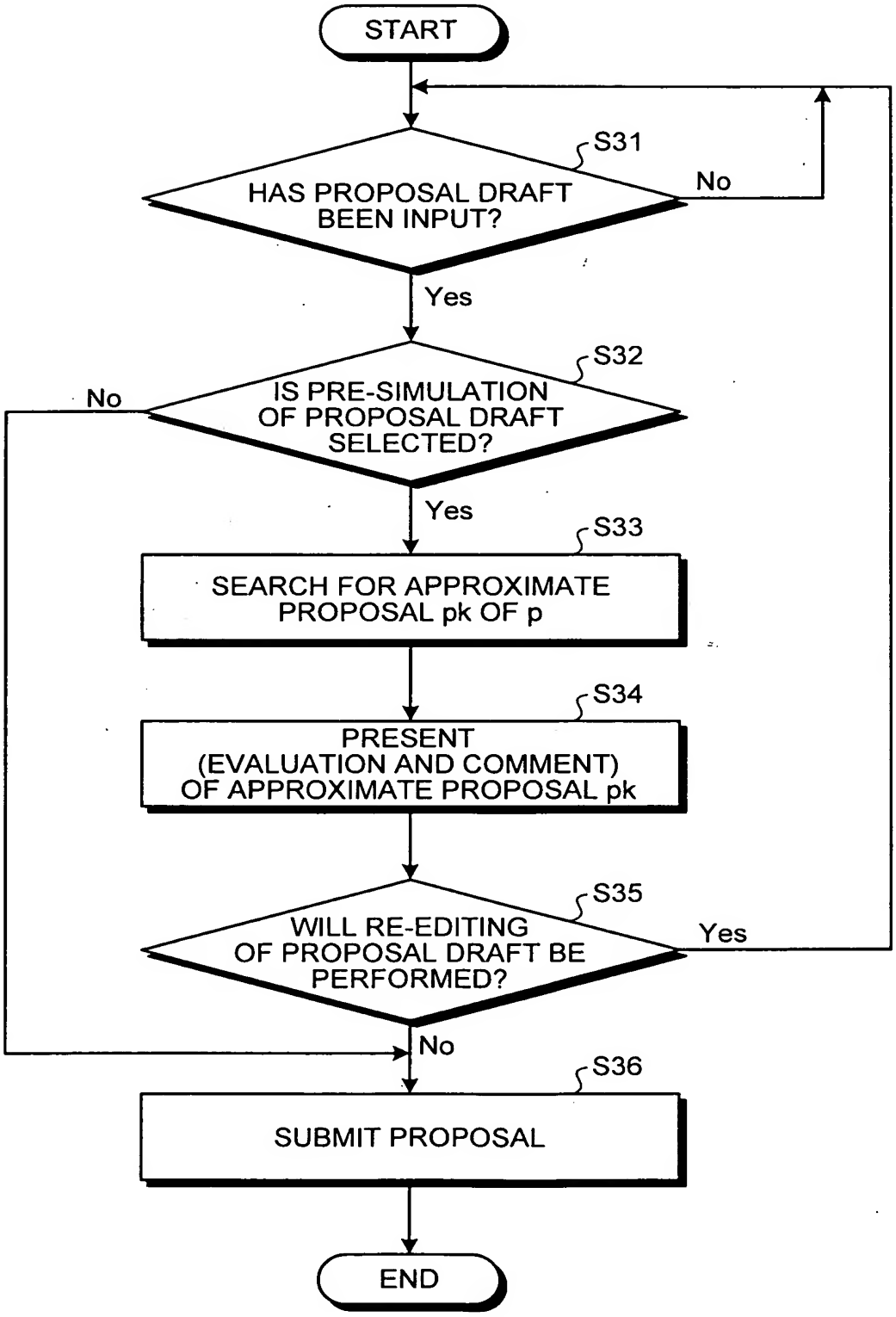

START
S21
MAKE PROPOSAL EVALUATED
REJECT
ACCEPT
S22
IS IT EDITION PROPOSAL?
No
Yes
S23
DETERMINE PROPOSAL LEVEL AND PROPOSAL CLASSIFICATION
END

FIG.18


START
S31
HAS PROPOSAL DRAFT BEEN INPUT?
No
Yes
S32
IS PRE-SIMULATION OF PROPOSAL DRAFT SELECTED?
No
Yes
S33
SEARCH FOR APPROXIMATE PROPOSAL pk OF p
S34
PRESENT (EVALUATION AND COMMENT) OF APPROXIMATE PROPOSAL pk
S35
WILL RE-EDITING OF PROPOSAL DRAFT BE PERFORMED?
Yes
No
S36
SUBMIT PROPOSAL
END